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## **Appendix D**

### **Fiscal Year 2000/01 Authorized Equipment Purchase List**

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## Fiscal Year 2001 Authorized Equipment Purchase List

The authorized equipment purchase list is derived from the Standardized Equipment List (SEL), which was developed by the Interagency Board (IAB) for Equipment Standardization and Interoperability. IAB compiled the SEL on behalf of the National Domestic Preparedness Office (NDPO) to determine what types of equipment are available to terrorist-incident emergency response teams. Because the SEL contains lists of general-use and support equipment, an authorized purchase list was derived from the SEL to identify specific types of equipment in four limited categories that are authorized for purchase under the OJP Fiscal Year 2000 State Domestic Preparedness Equipment Program. The categories of equipment are personal protective, detection, decontamination, and communications. A cross-section of officials representing the Public Health Service (PHS), the Federal Emergency Management Agency (FEMA), the U.S. Department of Energy (DOE), the U.S. Department of Justice (OJP and FBI), and State and local hazardous materials experts assisted by identifying unallowable equipment purchases and developing an allowable/authorized equipment purchase list.

Using the sample budget worksheets in Appendix A as a guide, please list your State's equipment purchase requests for fiscal year 1999. Authorized equipment purchases may be made in the following categories:

1. Personal Protective Equipment (PPE).
2. Chemical, Biological, or Radiological Detection Equipment.
3. Chemical, Biological, or Radiological Decontamination Equipment.
4. Communications Equipment.

**1. Personal Protective Equipment.** Equipment that is worn to protect the individual from hazardous materials and contamination. Protection may vary and is divided into four levels based on the degree of protection afforded.

**Level A.** Selected when the greatest level of skin, respiratory, and eye protection is required. The following items constitute Level A equipment for consideration:

- Reusable or limited-use fully encapsulated chemical resistant suit ensemble
- Butyl hoods and gloves
- Reusable fully encapsulated training suits
- Testing equipment for fully encapsulated suits
- Closed circuit rebreather\* or open circuit self-contained breathing apparatus (SCBA) or, when appropriate, Supplied Air Breathing Apparatus (SABA)

\* Due to cost and utility of closed circuit rebreathers, a full and complete justification must be provided to obtain approval to purchase the equipment.

- Spare cylinders for rebreathers or SCBA and service/repair kits
- Chemical resistant gloves, including thermal, as appropriate to hazard
- Personal Cooling System; vest or full suit with support equipment

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- Chemical Resistant Boots; steel or fiberglass toe and shank
  - Two-Way Local In-Suit Communications
  - Personnel Accountability System to alert for downed personnel (specific to SCBA use only)
  - HAZMAT gear bag

**Level B.** Should be used when the highest level of respiratory protection is necessary but a lesser level of skin protection is required. The following constitute Level B equipment and should be considered for use:

- Hooded Chemical Resistant Clothing or Full Coverage Level B Suits
- Butyl hoods and gloves
- Closed circuit rebreather\* or open circuit SCBA or, when appropriate, SABA
- Spare cylinders for rebreathers, SCBA, or SABA, and service/repair kits
- Chemical resistant gloves, including thermal, as appropriate to hazard
- Personal Cooling System; vest or full suit with support equipment
- Chemical Resistant Boots; steel or fiberglass toe and shank
- HAZMAT gear bag

\* Due to cost and utility of closed circuit rebreathers, a full and complete justification must be provided to obtain approval to purchase the equipment.

**Level C.** Should be used when the concentration(s) and type(s) of airborne substances are known and the criteria for using air-purifying respirators are met. The following constitute Level C equipment and should be considered for use:

- Hooded Chemical Resistant Clothing
- Butyl hood and gloves
- Full Face Air Purifying Respirators with appropriate cartridges or positive pressure units (Powered Air Purifying-PAPR)
- Personal Cooling System; vest or full suit with support equipment
- Chemical Resistant Boots; steel or fiberglass toe and shank
- HAZMAT gear bag
- Emergency Escape Breathing Apparatus (EEBA) 10 minutes or longer

**Level D.** Selected when no respiratory protection and minimal skin protection is required, the atmosphere contains no known hazard, and work functions preclude splashes, immersion, or the potential for unexpected inhalation of, or contact with, hazardous levels of any chemicals.

- Escape mask for self-rescue

*Note: During WMD response operations, the incident commander determines the appropriate level of personal protective equipment. As a guide, Levels A, B, and C are*

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*applicable for chemically, biologically, and radiologically contaminated environments. Personnel entering protective postures must undergo medical monitoring prior to and after entry.*

**2. Chemical, Biological, or Radiological Detection Equipment.** Equipment to monitor, sample, identify, and observe chemical, biological, or radiological contamination throughout the area or at specific points, and those items to support detection activities.

**Chemical and Radiological**

- M-8 Detection Paper for Chemical Agent (weapons-grade) detection
- M-9 Detection Paper (roll) for Chemical Agent (weapons-grade) detection
- M-256 Detection Kit for Chemical Agent (weapons-grade—blister: CX/HD/L; blood: AC/CK; and nerve: GB/VX) detection
- M-256 training kit
- Hazard Categorizing (HAZCAT) Kit
- Point Chemical Agent Detector and Alarm
- Stand-Off Chemical Detector, FTIR (infrared)
- Handheld Chemical Agent Monitor with training set
- Container Sample Transfer/Small Infectious Substance
- Air and Liquid Detector Tube System
- Colormetric tube/chip kit with additional tubes/chips
- Multigas meter
- Combustible gas indicator
- Photoionization Detector (PID)
- Flame Ionization Detector (FID)
- Field Deployable Gas Chromatography/Mass Spectrometer (GC/MS)\*
- Radiation-monitoring equipment (pancake probes and gigometer tubes)
- Electronic Radiation Detection
- Radiological dosage meter such as self-reading dosimeters, chargers, and film badges
- Pesticide-screening kit

\* Gas Chromatographic/Mass Spectrometers are extremely expensive to purchase, require highly trained technicians to operate, and are difficult and costly to maintain.

**Biological**

- Specific Bioimmunoassay Test Kit
- Biological Sampling Kit with Aerosol Collector

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**3. Chemical, Biological, or Radiological Decontamination Equipment.** Equipment and material used to clean, remediate, remove, or mitigate chemical or biological contamination. DOE possesses geographically dispersed capabilities to handle nuclear or radiological contamination.

**Chemical**

- M-295 individual decontamination kit for chemical warfare agents
- Decontamination system for individual and mass application:
  - Decontamination system supplies
  - Water Bladder, Decontamination Shower Waste Collection
  - Trailer, Multiwater Source, and Prime Mover (must be appropriate for tier-level response of Tier Three level or Tier Four level only)\*
  - Emergency Decontamination Shelters
- Reusable Decontamination Litters/Roller Systems
- Reusable Extraction Litters, rollable
- Colored/nonviewable cadaver bags (CDC standard/nonpermeable and NBC Compatible)
- Transportation and shipping containers for contaminated clothing and equipment (requires justification for tier-level use)

\* Grant funds may be used to purchase medical pharmaceuticals indicated with asterisks for personal protective equipment for first responders. Grantees are responsible for replenishing items after shelf-life expiration date(s).

**Biological**

- High Efficiency Particulate Attractor (HEPA) dry decontamination vacuum

**Medical**—Purchases authorized for use in decontamination operations:

- 2Pam Chloride\*
- Atropine 2mg/ml, 25ml vial\*
- Atropine Auto Injector\*
- CANA Auto Injectors\*
- Autovent 3000 pediatric and adult multigang/portOxylator/ventilators
- Adult, child, and infant masks
- Nasopharyngeal Airway 4, 5, 6, 7, and 8mm
- Oropharyngeal Airway 50, 60, 70, 80, 90, and 100mm
- Oxygen Cylinder Super D
- Oxygen Mask with Tubing
- Oxygen Tank Regulator

\* Grant funds may be used to purchase medical pharmaceuticals indicated with asterisks for personal protective equipment for first responders. Grantees are responsible for replenishing items after shelf-life expiration date(s).

**4. Communications Equipment.** Equipment and systems providing connectivity and electrical

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interoperability between local and interagency organizations to coordinate WMD response operations.

- Multichannel (UHF/VHF) encrypted radios with chargers and two extra batteries and accessories and Trickle chargers with field programming capability
- In-suit or hand-held communication systems for long-range/two-way, encrypted, voice, video, and data transmission, capable of cross-band repeat
- Computer systems designated for use in an integrated system to assist with detection and communication efforts\*
- Personnel Accountability System to alert for downed personnel (specific to SCBA use only)

\* Stand-alone general-use laptops, printers, CD-ROMs, etc., are not allowable. Allowable computer systems must be linked with integrated software packages designed specifically for chemical and/or biological agent detection and communication purposes.